

of these documents listed on the attached PTO Form 1449 are located in the parent U.S. application, duplicate copies have not been provided herein. Additionally, the documents cited in companion U.S. application 09/541,190, now U.S. Patent No. 6,282,991, having the same filing date as and simultaneously prosecuted with the parent application are enclosed herewith and listed on the attached PTO Form 1449 form so that consideration is of record in this application. The documents listed and the disclosures provided in the specification of the above application include the closest information of which applicant and his attorneys are aware, and known information more material than that which is disclosed has not been withheld.

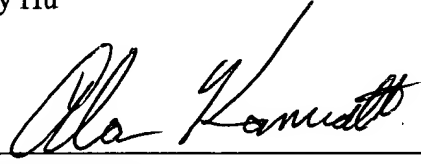
Favorable consideration is respectfully requested.

It is believed that the application is in condition for allowance and such action is respectfully requested. If any points remain in issue which the Examiner feels could best be resolved by either a personal or telephone interview, he is urged to contact Applicant's attorney at the exchange listed below.

Respectfully submitted,

Bobby Hu

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By 

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

Page 1, lines 8-18 have been amended as follows:

U.S. Patent No. 2,957,377 issued to Hare on Oct. 25, 1960 discloses a reversible ratchet-type wrench comprising a body 10 having a handle 11 and a head 12. A cap 39 and an annular wall 44 are provided to the upper side and the lower side of the head 12, respectively. Yet, this increases the assembly time and the manufacture cost and adversely affects the appearance. A shifting lever 35 is retained in place by a spring 33 that is located in a cylindrical opening 34. Nevertheless, formation of the cylindrical opening 34 that extends **[inclined upward] upward at an incline** is relatively difficult. In addition, formation of the cavity 16 having converging straight sides 17, 18 which diverge in the direction of the periphery of the rotatable member 14 requires expensive and accurate computer-numeric-control (CNC), which further results in an increase in the cost together with a low production rate. This is why such a reversible ratchet-type wrench is hardly seen in the market.

Page 7, lines 17-23 have been amended as follows:

A drive member (in the form of a gear wheel 20 in this embodiment) is mounted in the head 11 and includes an inner periphery 24 for driving a fastener (not shown) and an outer periphery 25. The outer periphery 25 includes a recessed upper end portion 22, a lower end portion 23, and a middle portion with a plurality of recessed teeth 21. The lower end portion 23 includes an annular groove 231. A C-clip 30 is received in the annular groove 231 of the lower end portion 23 and the annular groove 131 of the head **[13] 11**, thereby rotatably retaining the gear wheel 20 in the head 11 of the wrench 10, best shown in Fig. 2.

Page 8, lines 10-18 have been amended as follows:

In assembly, the switch member 50 is mounted in the compartment 15 and the biasing means 60 is mounted into the receptacle 521 of the switch member 50 via the cavity 14 with the elastic element 62 surrounding a part of the peg 61. The end 612 of the peg 61 bears against the first end 621 of the elastic element 62. The pawl 40 is mounted into the cavity 14 with the other end [612] 611 of the peg 61 extended into the recess 42 of the pawl 40. The C-clip 30 is placed into the hole [132] 13 and the gear wheel 20 is then mounted in the hole [132] 13 with the C-clip 30 received in the annular grooves 131 and 231, thereby completing the assembly. Thus, the assembly procedure is simple and can be accomplished quickly by a C-clip 30 without the aid of any screw or cover.

Page 9, lines 4-22 have been amended as follows:

Fig. 7 illustrates a second embodiment in accordance with the present invention, wherein the gear wheel 20 is replaced by a drive member 70 having a drive column 73 with an engaging means 80 for releasably engaging with a socket (not shown). The drive member 70 includes an outer periphery having a plurality of teeth 71 for engaging with the [pawl] ratchet teeth 41. An annular groove 731 is defined in a lower portion of the outer periphery of the drive member 70 for engaging with the C-clip 30, which is identical to that disclosed above. In addition, the drive member 70 includes a stub 72 on a top thereof, and the upper portion of the head 11 is modified to include an end wall 133 with an opening 134 for rotatably receiving the stub 72 of the drive member 70, thereby providing stable rotational movement for the drive member 70.

Fig. 8 illustrates a third embodiment in accordance with the present invention. It is noted that the biasing means (now designated by 90) in this embodiment includes a pin [92 that is] 91 having a receptacle 911 for receiving an end of the elastic element 92. Thus, the elastic element 92 is attached between an end wall (not labeled) defining the receptacle 911 of the pin [92] 91

and an end wall (not labeled) defining the receptacle 521 of the switch member 50.

IN THE CLAIMS

Claim 21 has been revised as follows:

21. A reversible ratchet-type wrench comprising:

a handle;

a head extended from the handle **[and including a hole, a web being defined between the handle and the head, a cavity being defined in the web and communicated with the hole, the web further including a compartment communicated with the cavity];**

a drive member rotatably mounted in the **[hole of the]** head, with the drive member including a plurality of teeth formed on an outer periphery thereof;

a pawl **[mounted in the cavity and]** including a first side with a plurality of ratchet teeth for releasably engaging with the teeth of the drive member, with the pawl further including a second side with a recess;

a switch member including a turn-piece for manual operation and an actuating plate extended from the turn-piece and rotatably received in the **[compartment of the web]** head, the switch member being switchable between two positions for changing ratcheting direction of the drive member, with the actuating plate of the switch member including a first receptacle that faces the recess of the pawl and that has a first end wall; [and]

[a biasing means mounted in the cavity and between the recess of the pawl and the actuating plate for biasing the ratchet teeth of the pawl to engage with the teeth of the drive member, the biasing means including] an elastic element; and

a peg, with the peg having a first end movably received in the recess of the pawl and a

second end, [the elastic element biasing the second end of the peg for exerting a force to the peg toward the pawl, thereby urging the ratchet teeth of the pawl to engage with the teeth of the gear wheel;

the actuating plate of the switch member including a first receptacle that faces the cavity, the first receptacle having a first end wall,] with the second end of the peg being received in the first receptacle and including a second receptacle with a second end wall, with the elastic element [having two ends that are attached] located between the first end wall and the second end wall, with the peg and the elastic member being rotatable with the actuating plate and biasing the ratchet teeth of the pawl to engage with the teeth of the drive member.

Claim 25 has been revised as follows:

25. The reversible ratchet-type wrench as claimed in claim 21, with the drive member being rotatably mounted in a hole of the head, wherein an inner periphery defining the hole of the head includes a first annular groove, and wherein the outer periphery of the drive member includes a second annular groove, with the reversible ratchet-type wrench further comprising a C-clip received in the first annular groove and the second annular groove, thereby rotatably retaining the drive member in the head.